

What is claimed is:

1. A fuel cell stack comprising:

a plurality of unit fuel cells, each comprising an anode, a cathode, and an electrolyte which is placed between the anode and the cathode, wherein the unit fuel cells are stacked via separators; and

5 a pair of power output terminal plates, one attached to each end face of the stacked unit fuel cells, wherein:

at least one of a coolant supply and drainage passage, and a gas supply and exhaust passage is formed through the stacked unit fuel cells and the power output terminal plates in the stacking direction; and

10 the edge of each passage through the power output terminal plates is covered with a grommet having an insulating capability.

2. A fuel cell stack as claimed in claim 1, wherein the grommet has a portion which contacts an adjacent plate of the fuel cell stack, and a seal lip is formed in said portion.

3. A fuel cell stack as claimed in claim 1, wherein the grommet has an engaging portion which is detachably engaged with an engaging portion formed at said edge of each passage through the power output terminal plates.

4. A fuel cell stack as claimed in claim 2, wherein the grommet has an engaging portion which is detachably engaged with an engaging portion formed at said edge of each passage through the power output terminal plates.

5. A fuel cell stack as claimed in claim 1, wherein each grommet attached to one of the power output terminal plates has no hole and is closed.

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